

FIG. 1

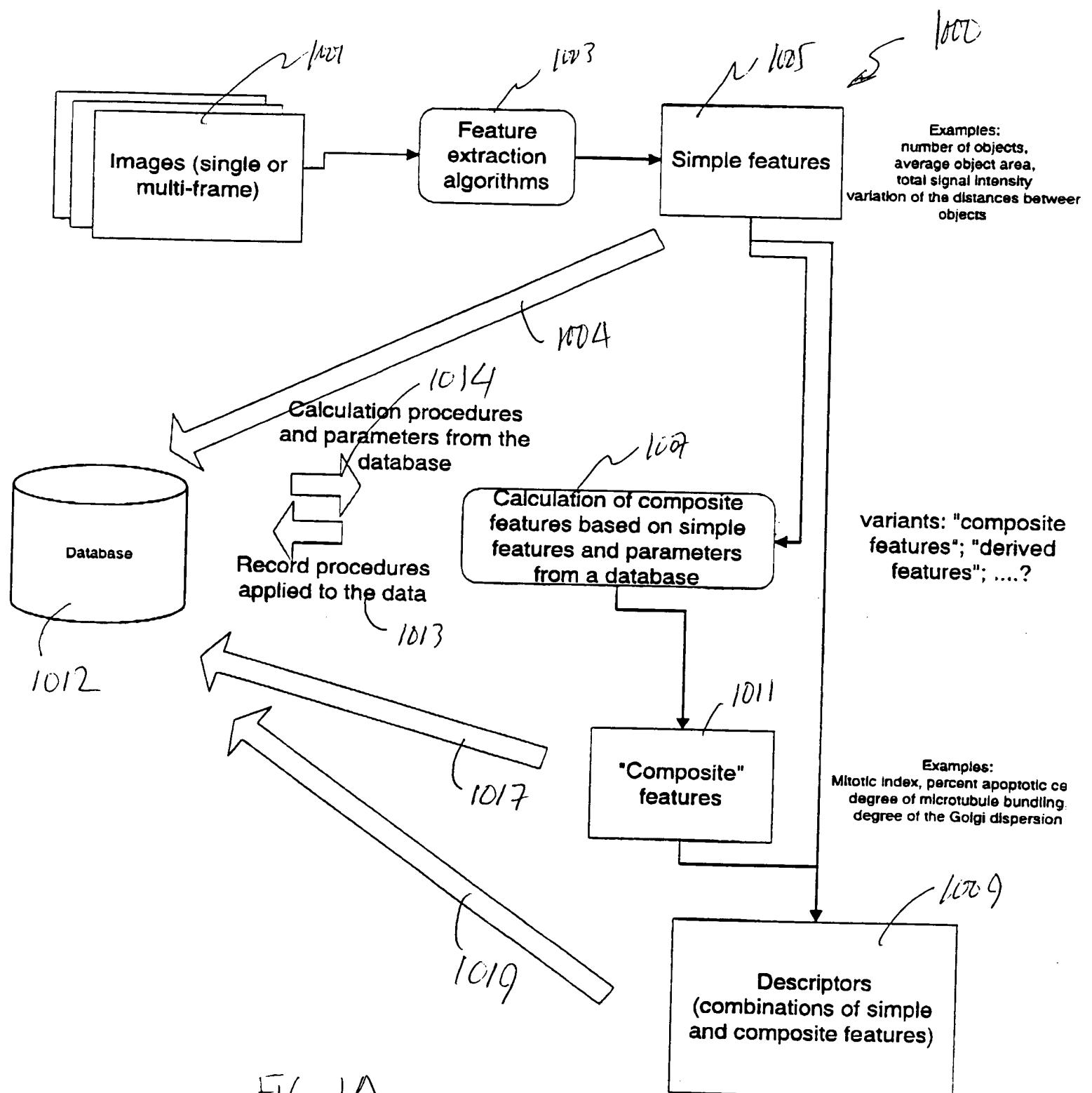


FIG. 1A

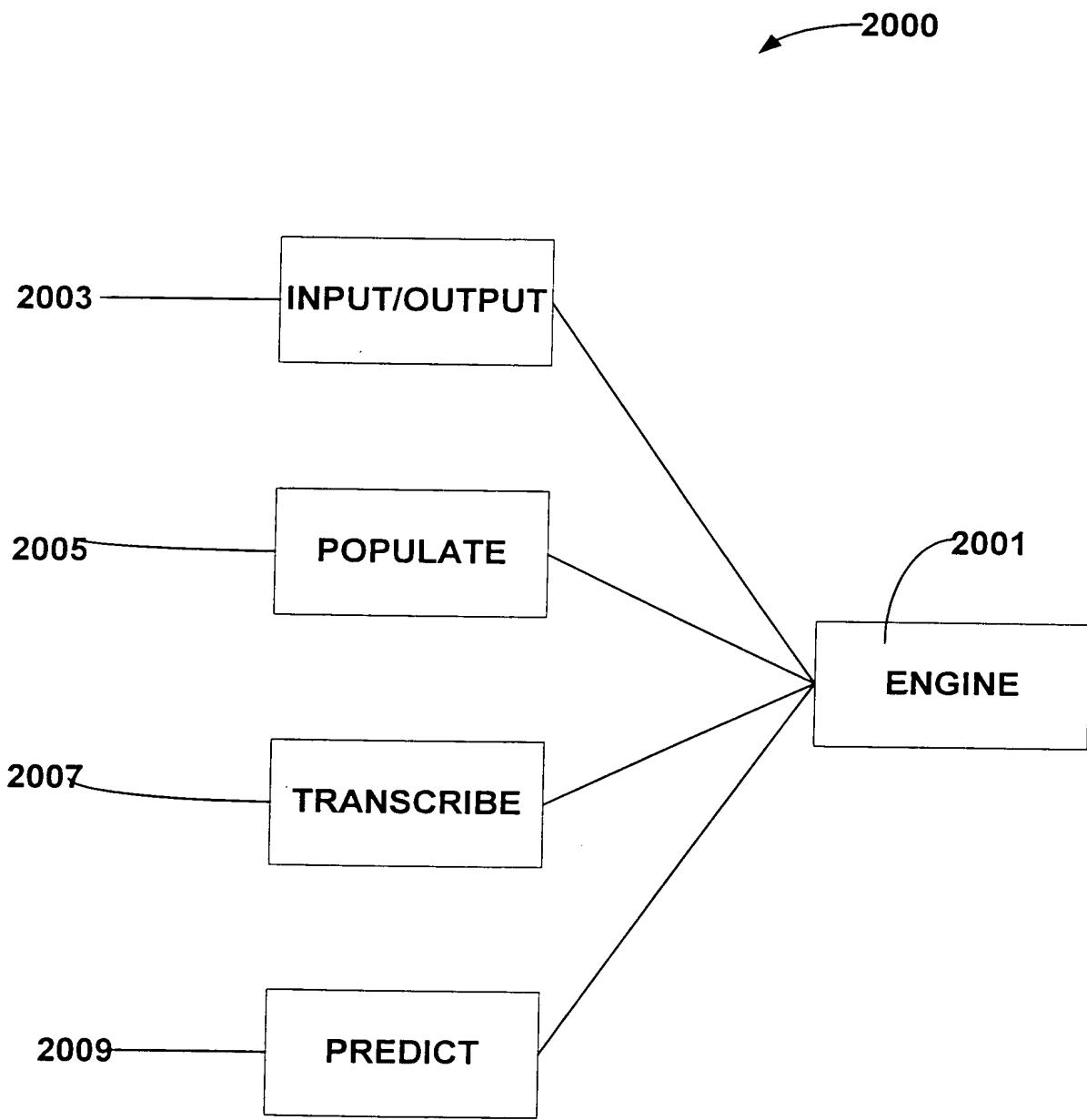


FIG. 1B

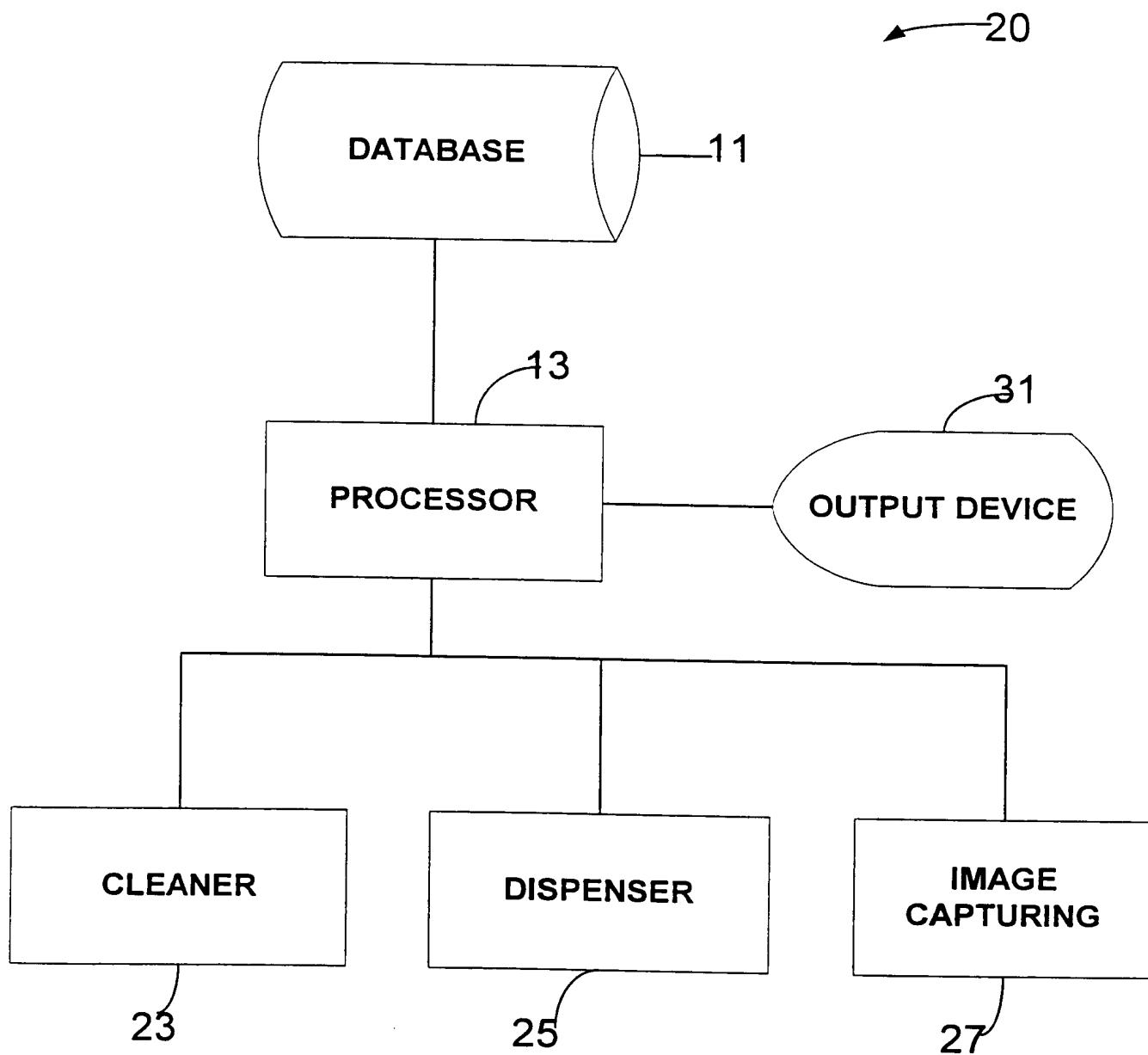


FIG. 2

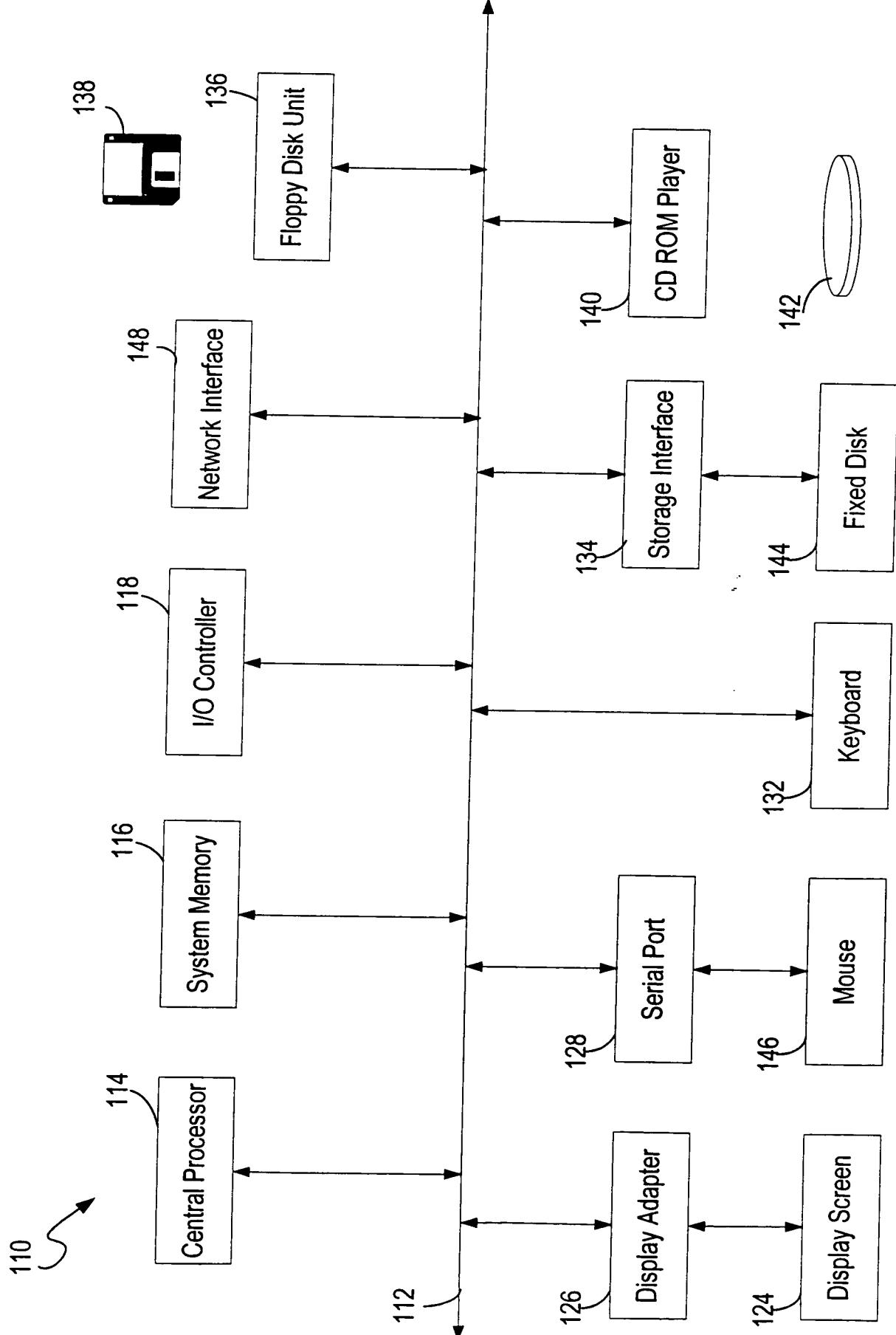
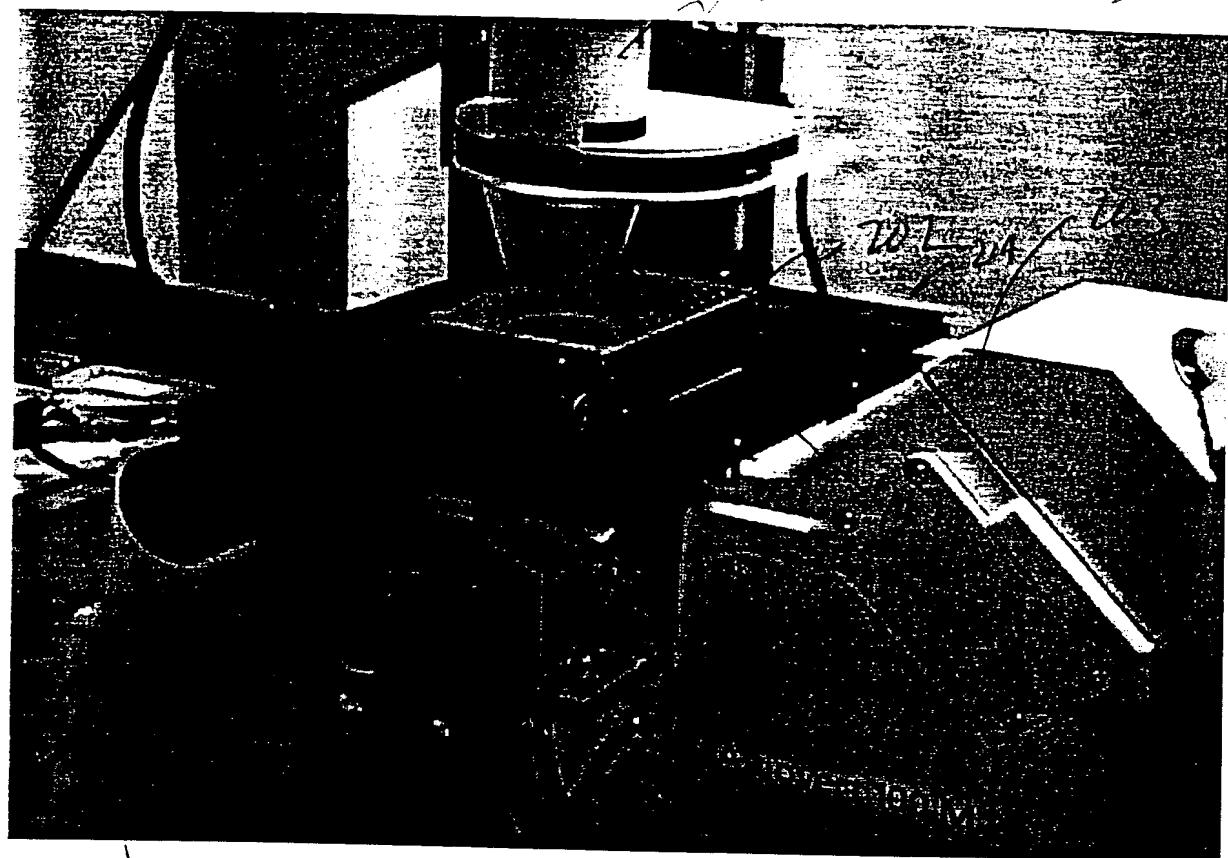


Fig. 3



210

FIG. 4

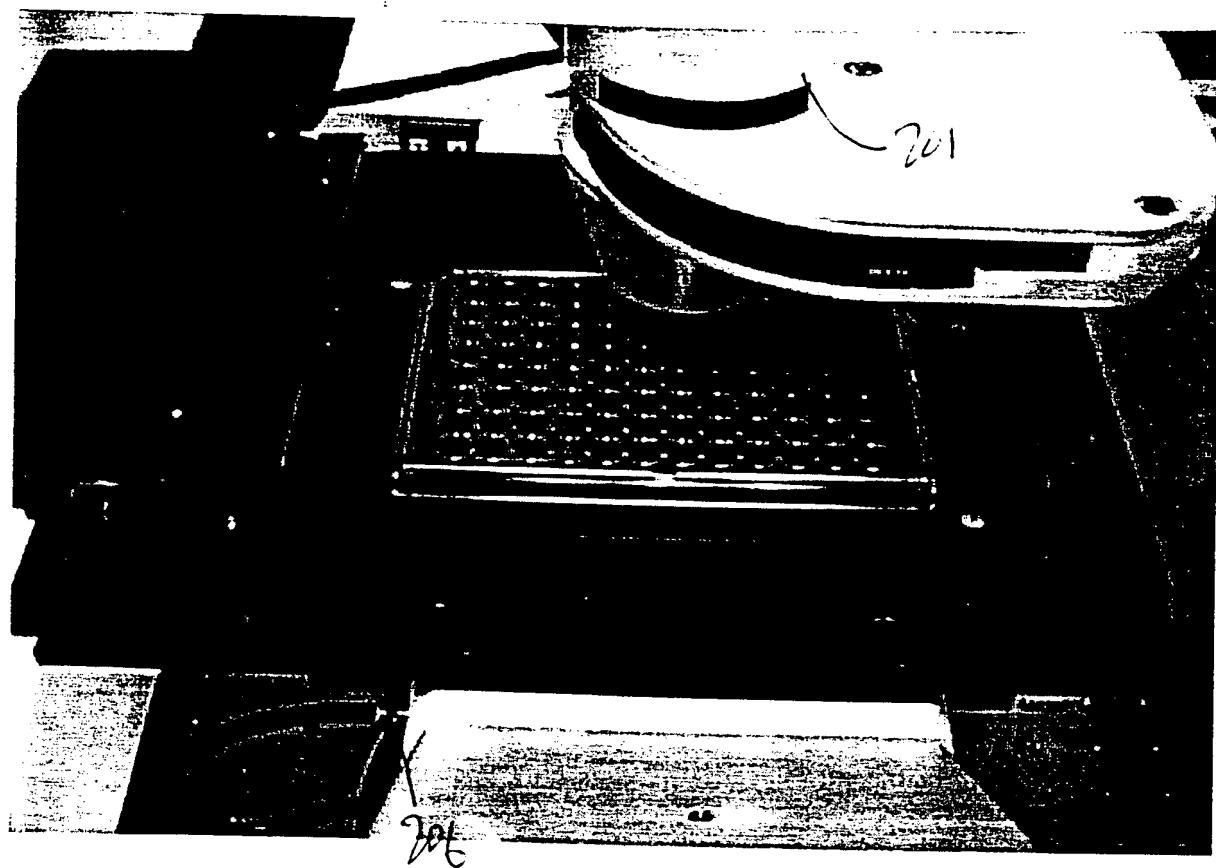


FIG 5

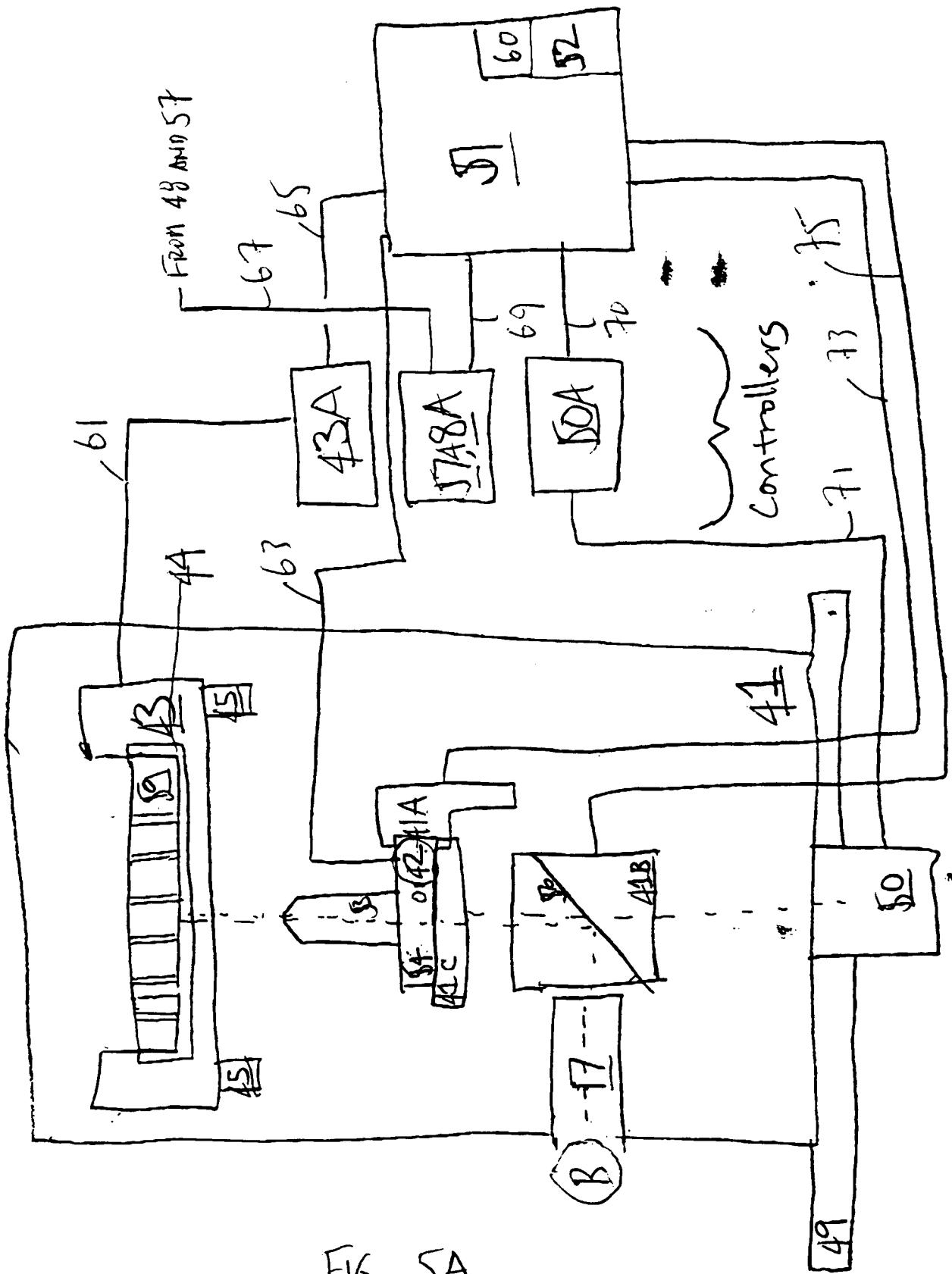


Fig. 5A

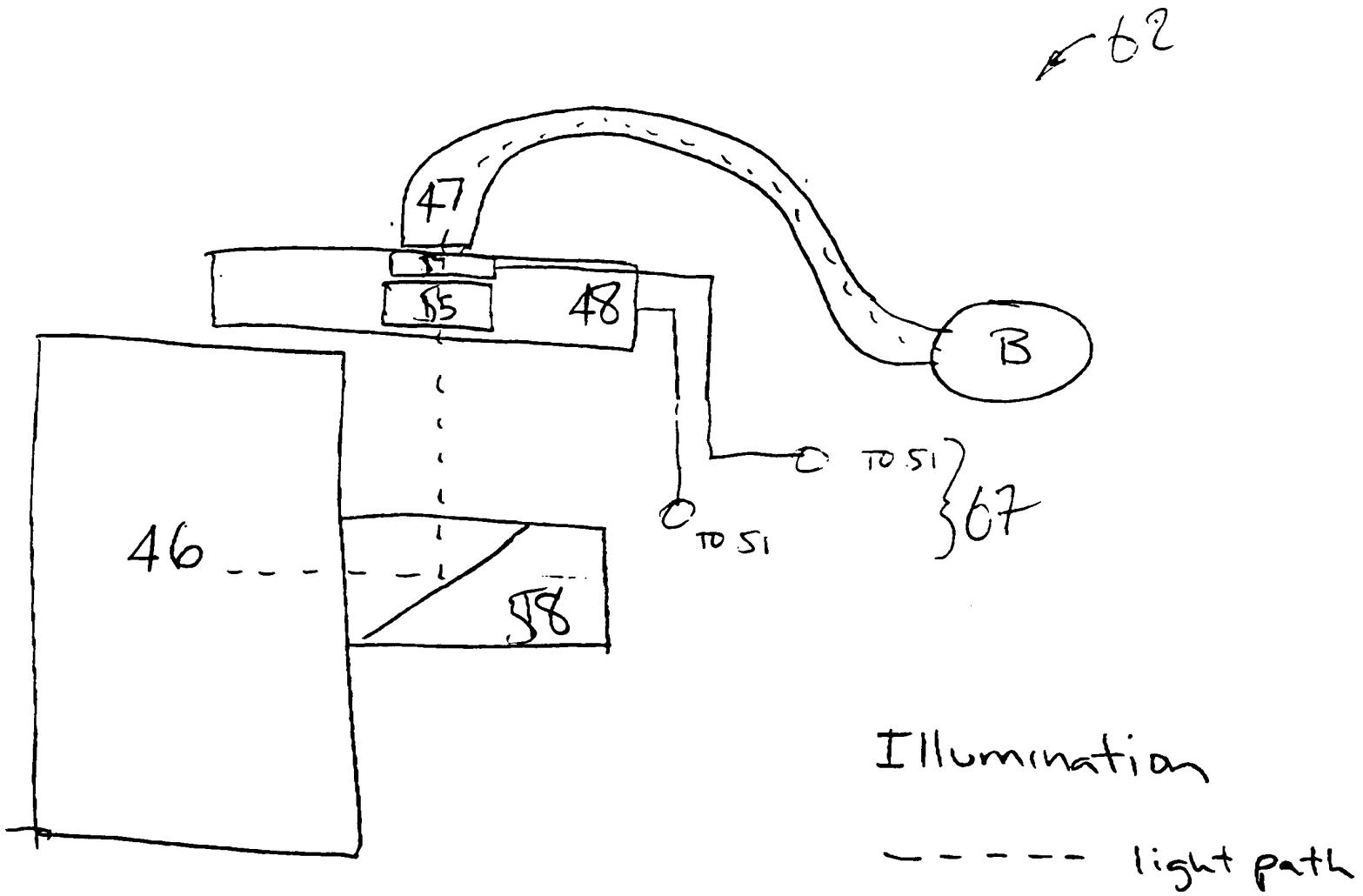
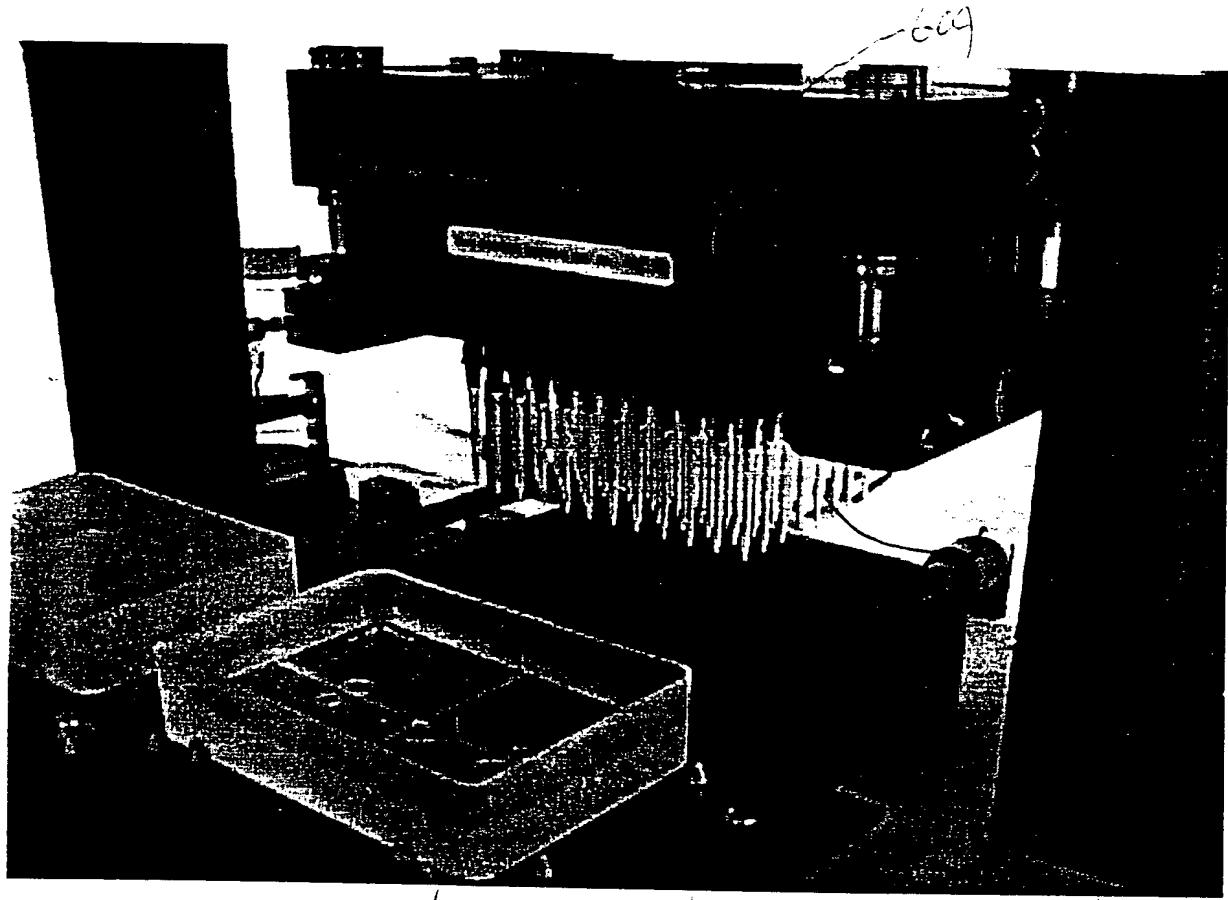


FIG. 5B



605 603 607 607

FIG. 6

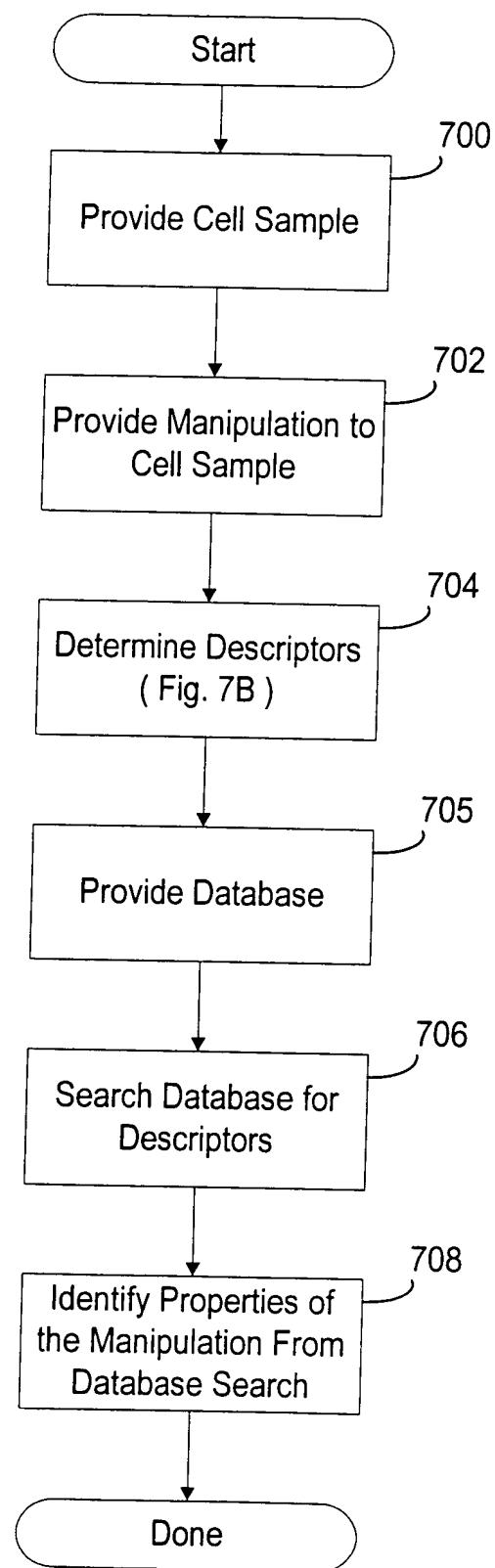


Fig. 7A

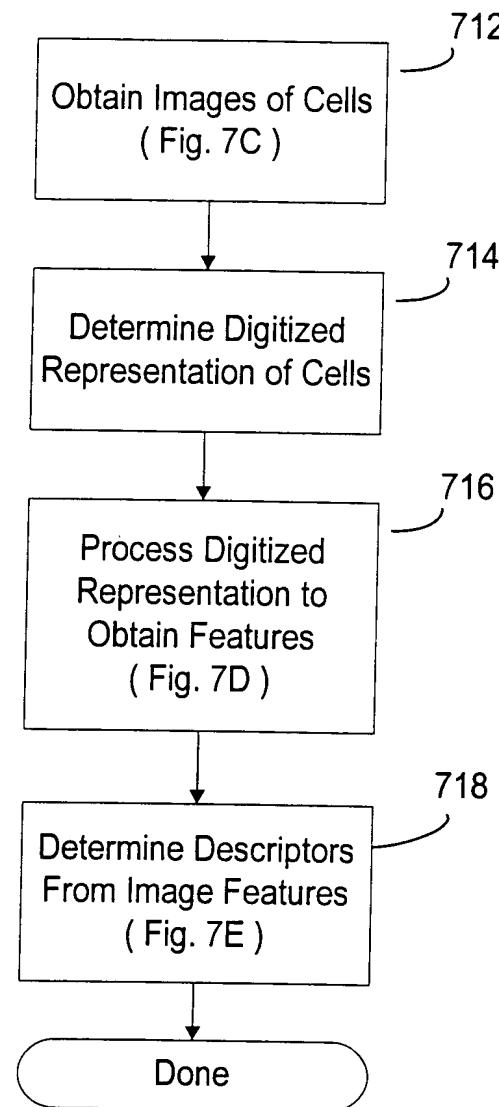


Fig. 7B
Step 704 of Fig. 7A

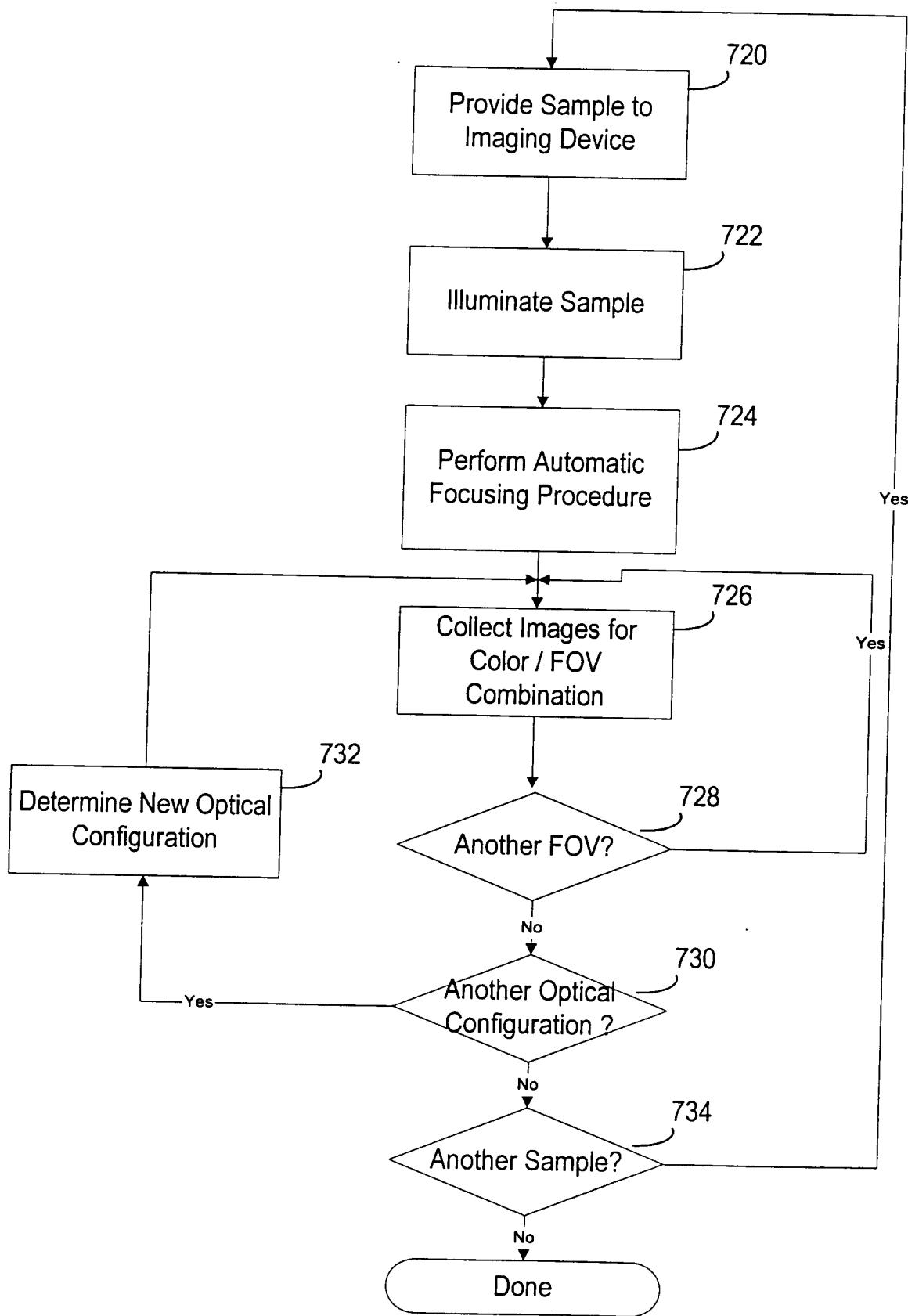


Fig. 7C
Step 714 of Fig. 7B

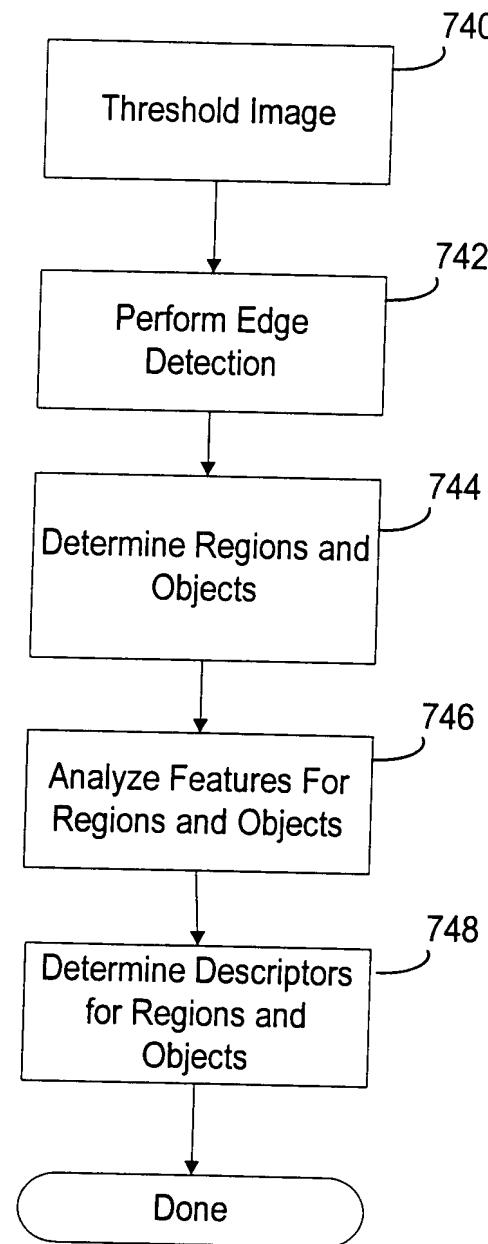


Fig. 7D
Step 716 of Fig. 7B

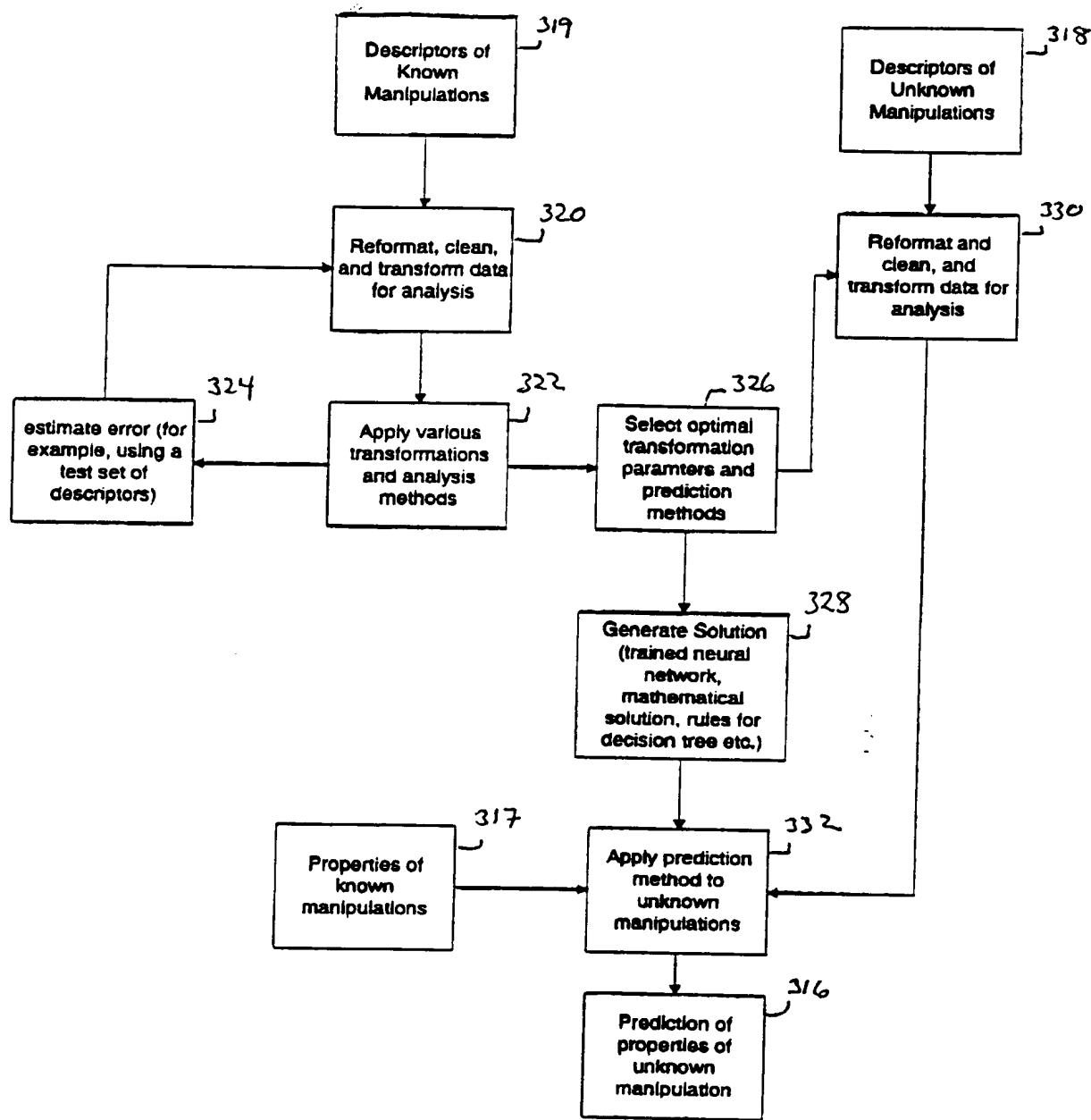


FIG. 7E

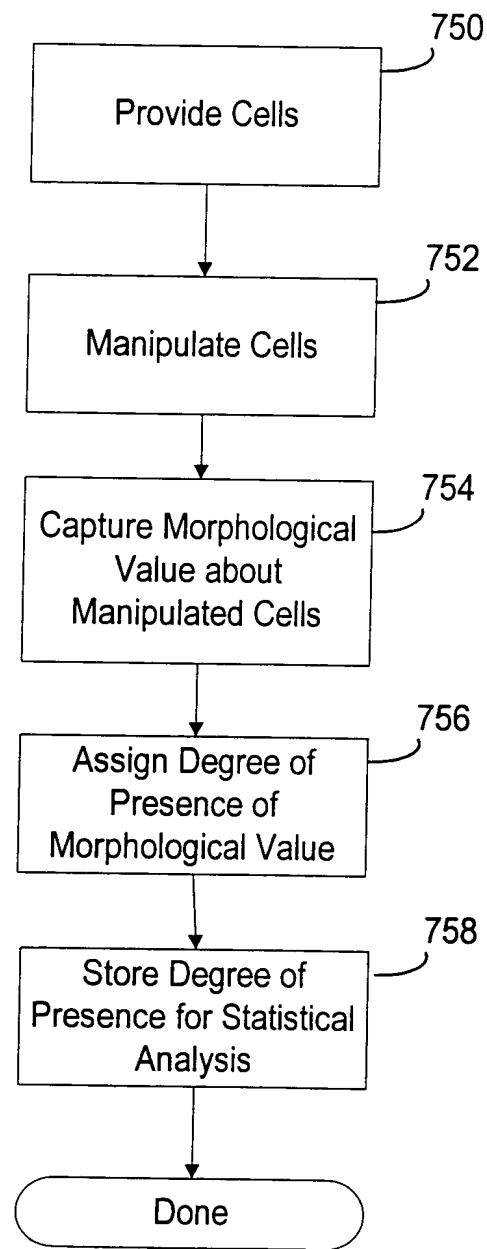


Fig. 7F

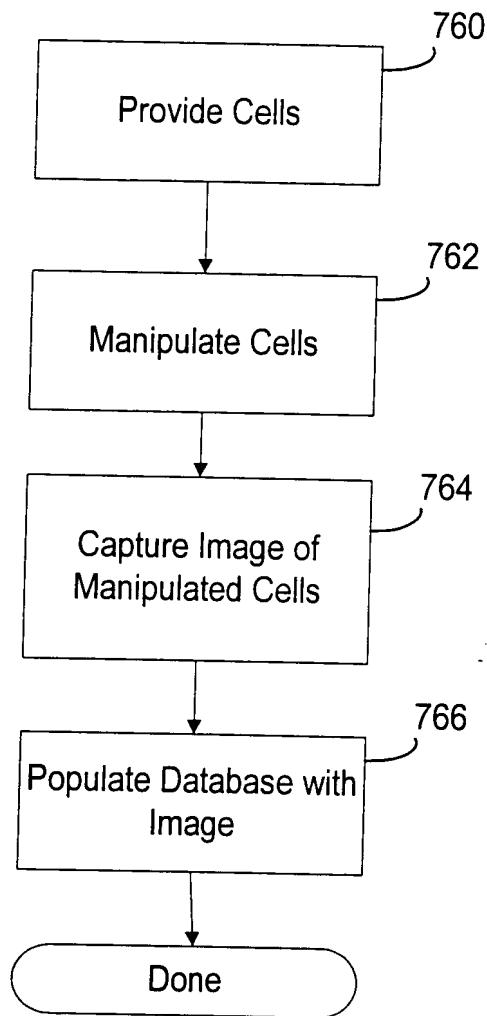


Fig. 7G

Average Gray Value

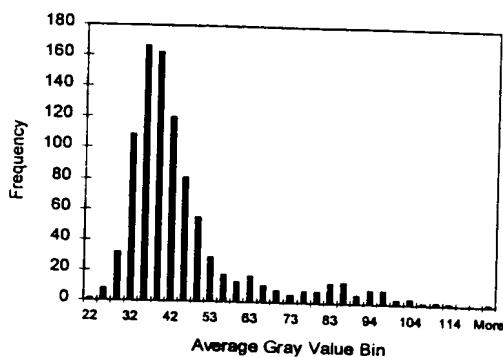


Fig. 8A

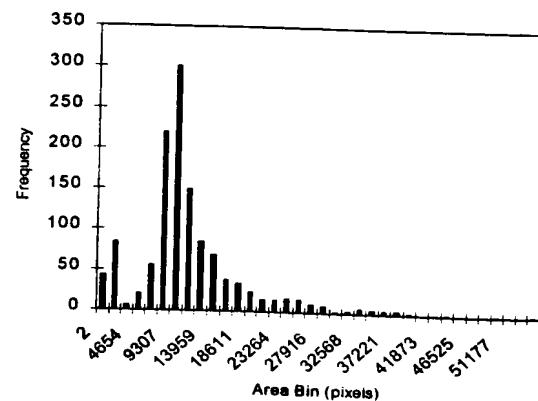


Fig. 8B

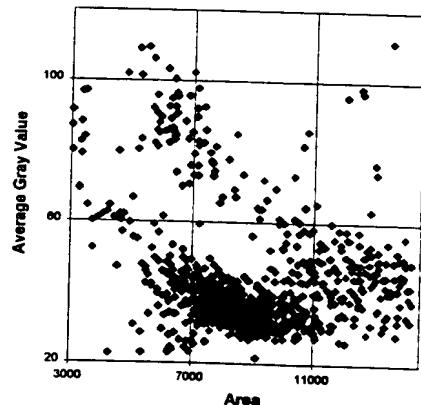


Fig. 8C

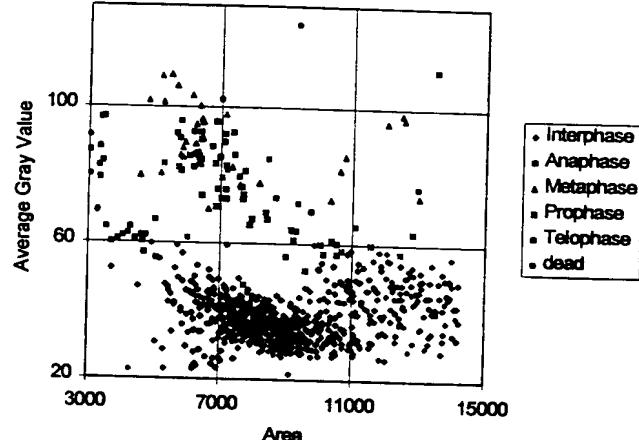


Fig. 8D

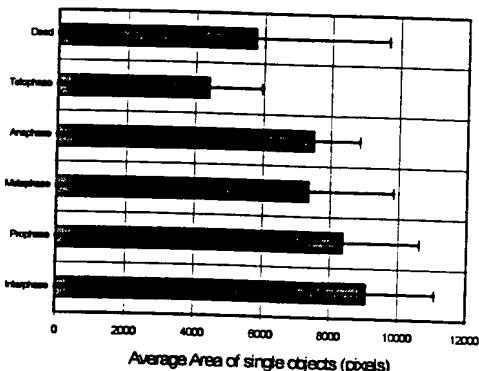


Fig. 8E

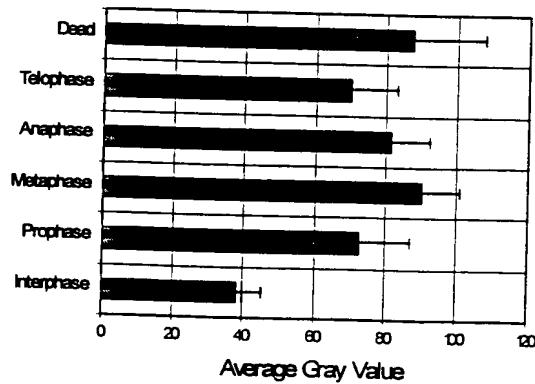
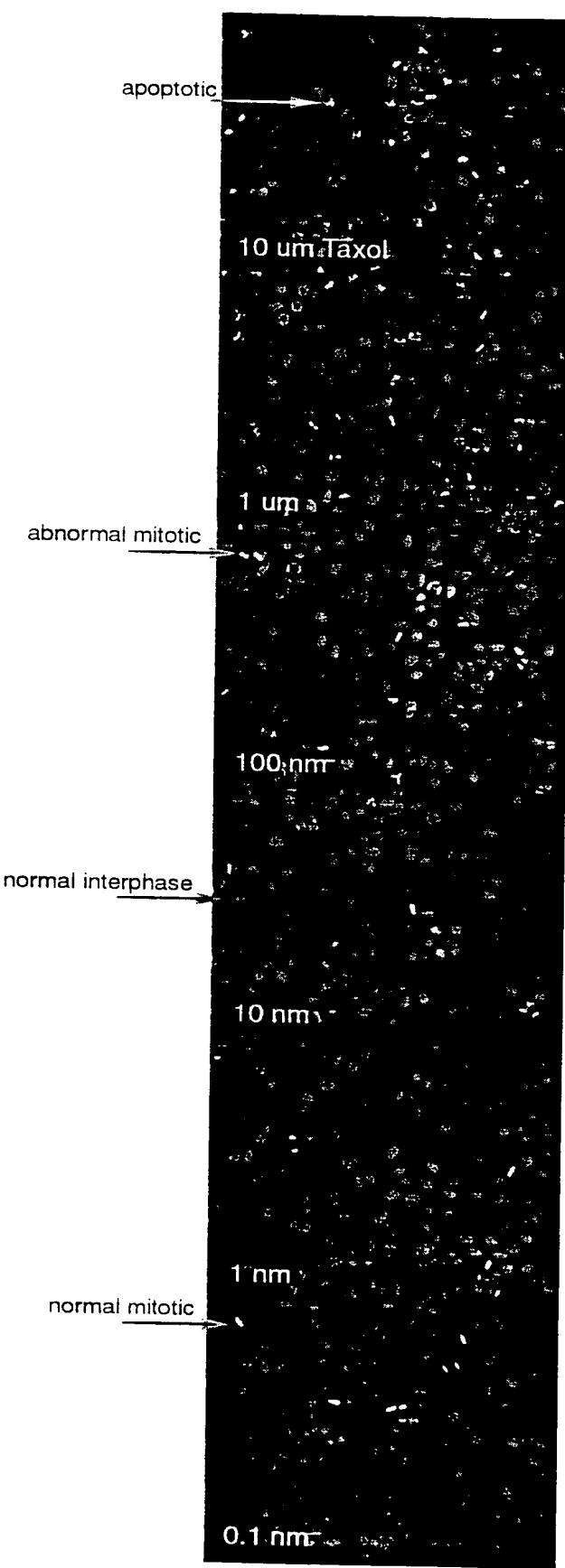


Fig. 8F

Fig 7



MDCK cells treated with Taxol for 4.5 hours

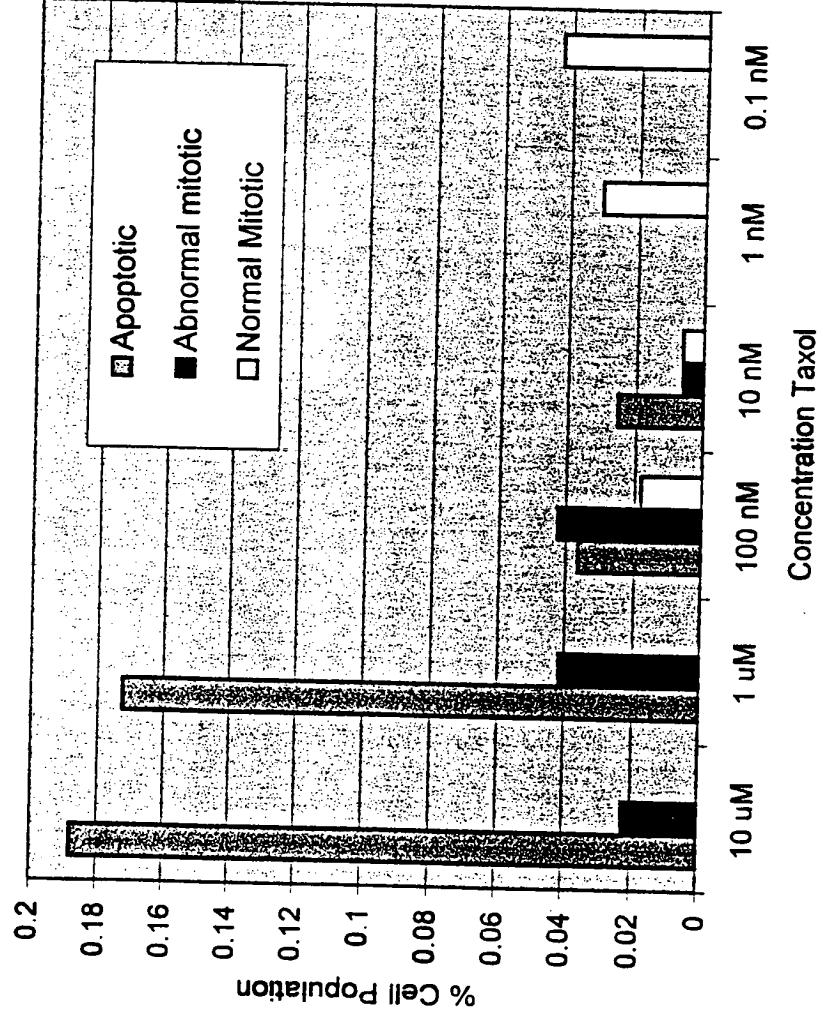


FIG. 10

Scatter Plot

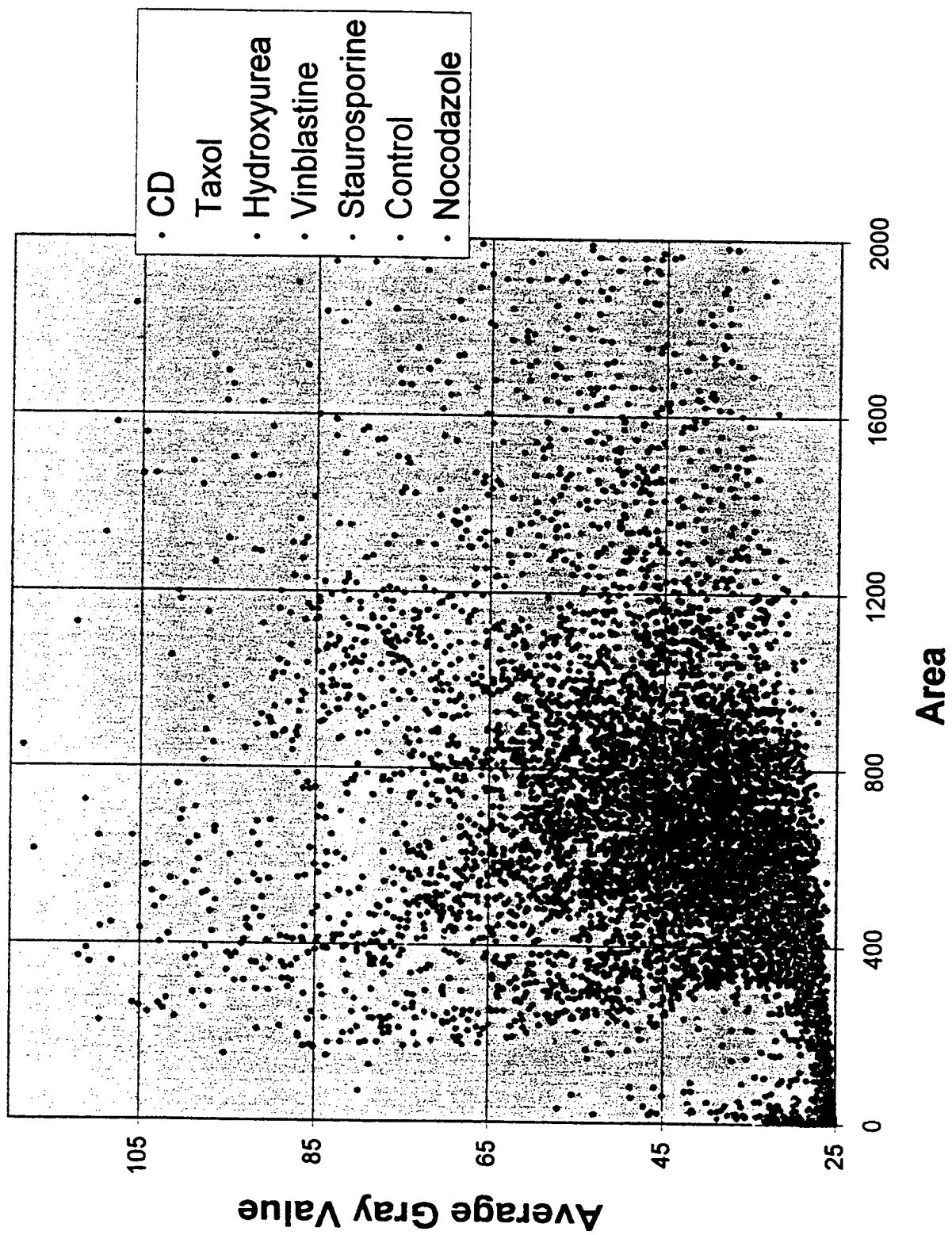
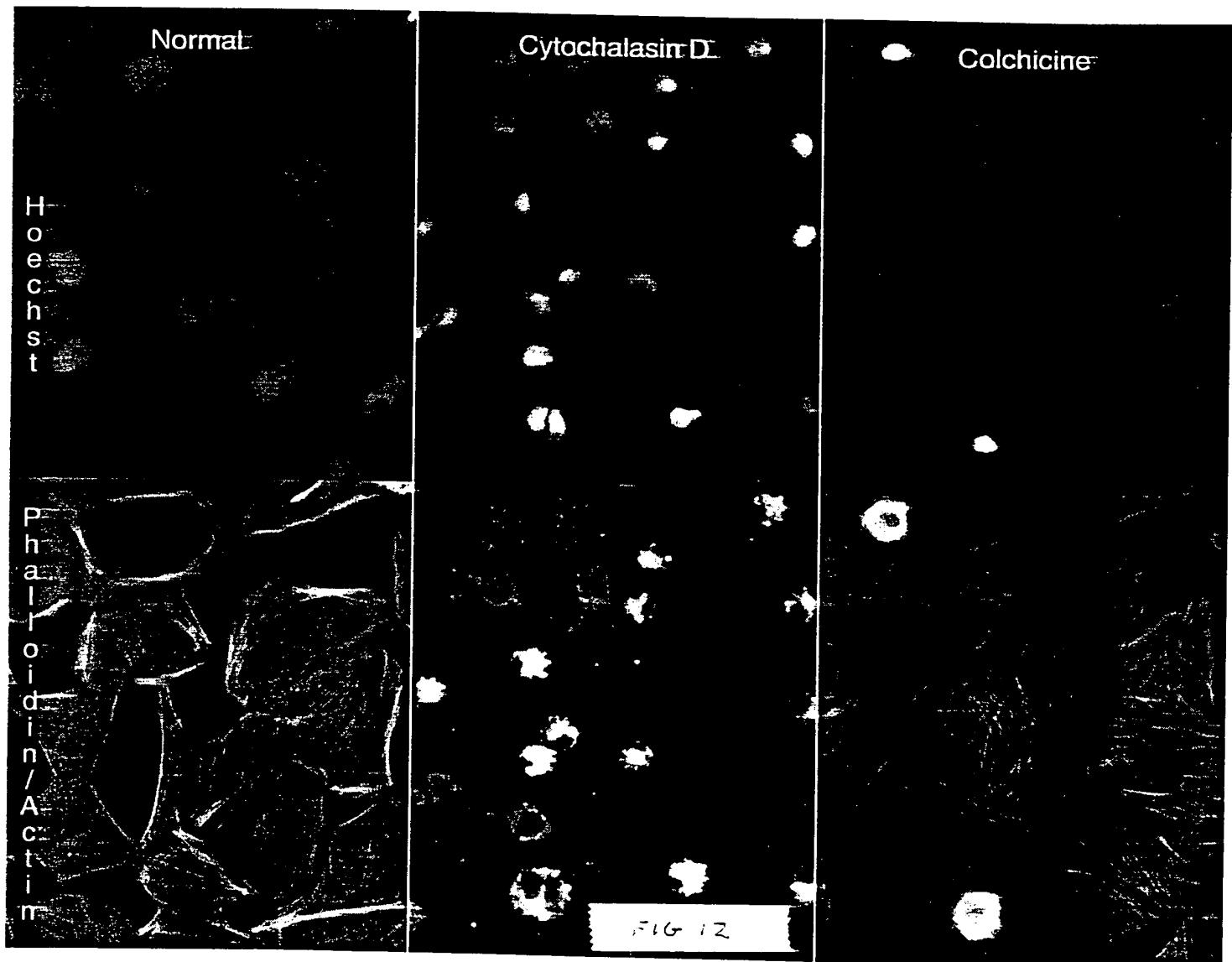


FIG. 11



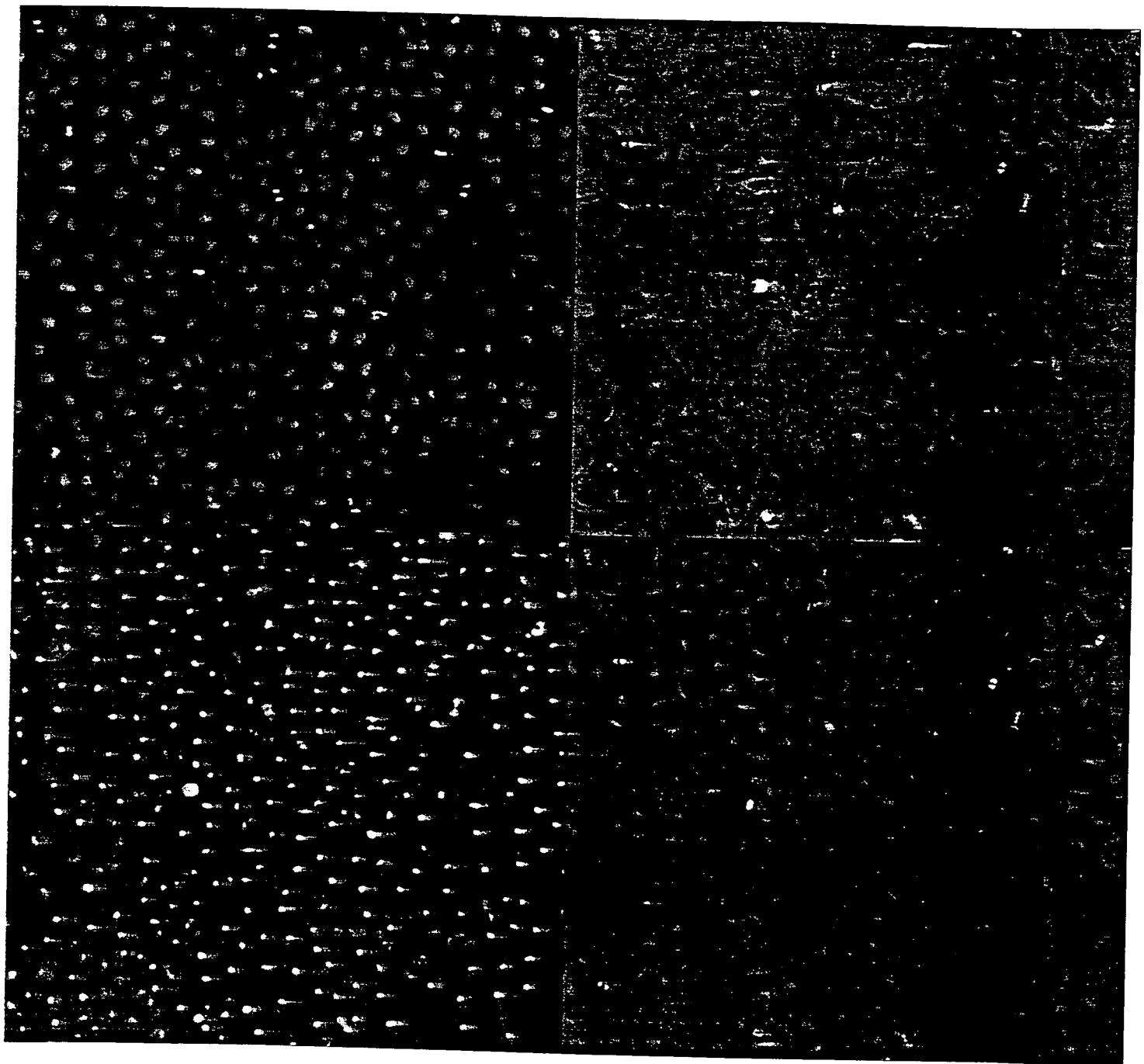


FIG. 13

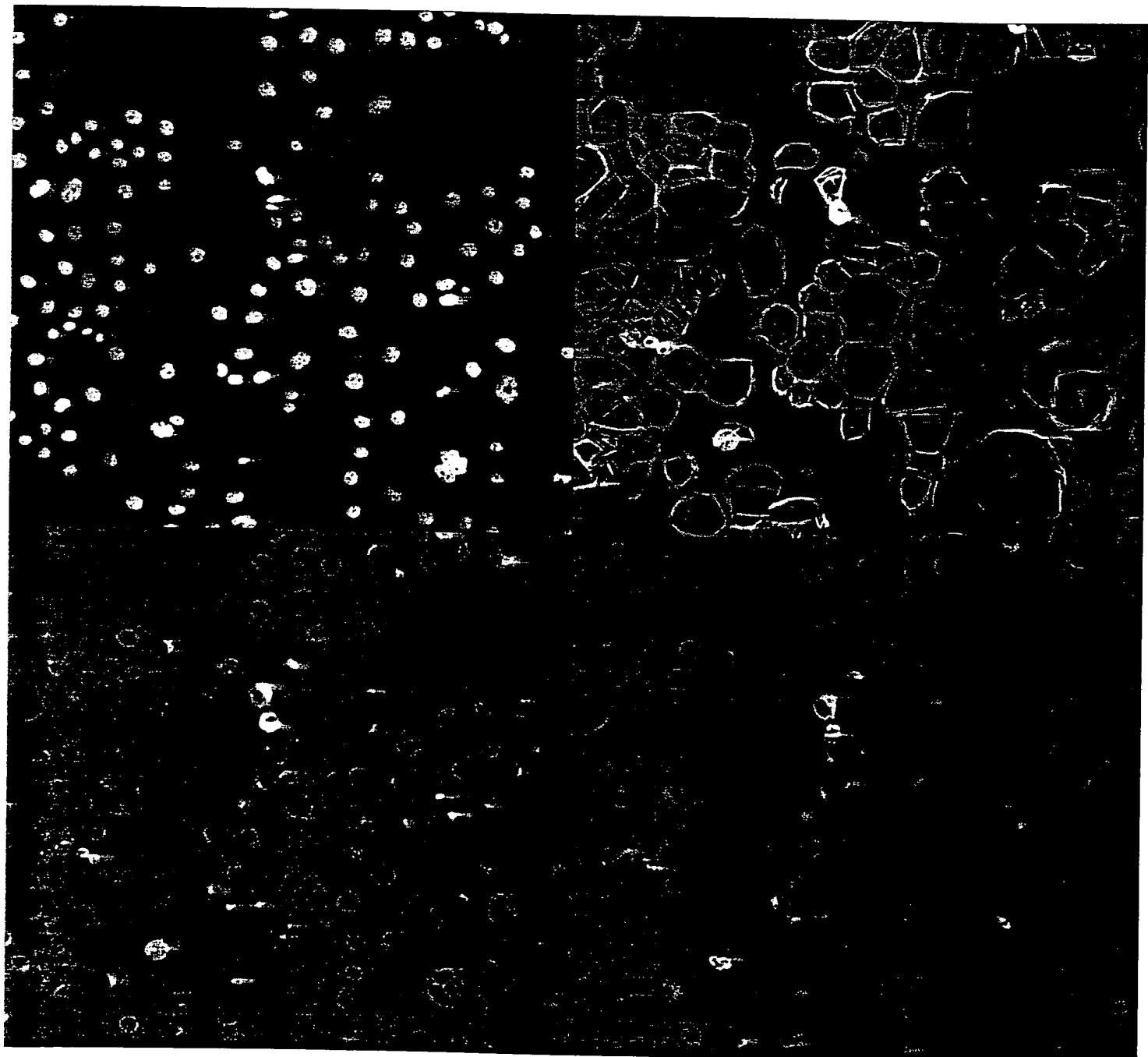


FIG. 14

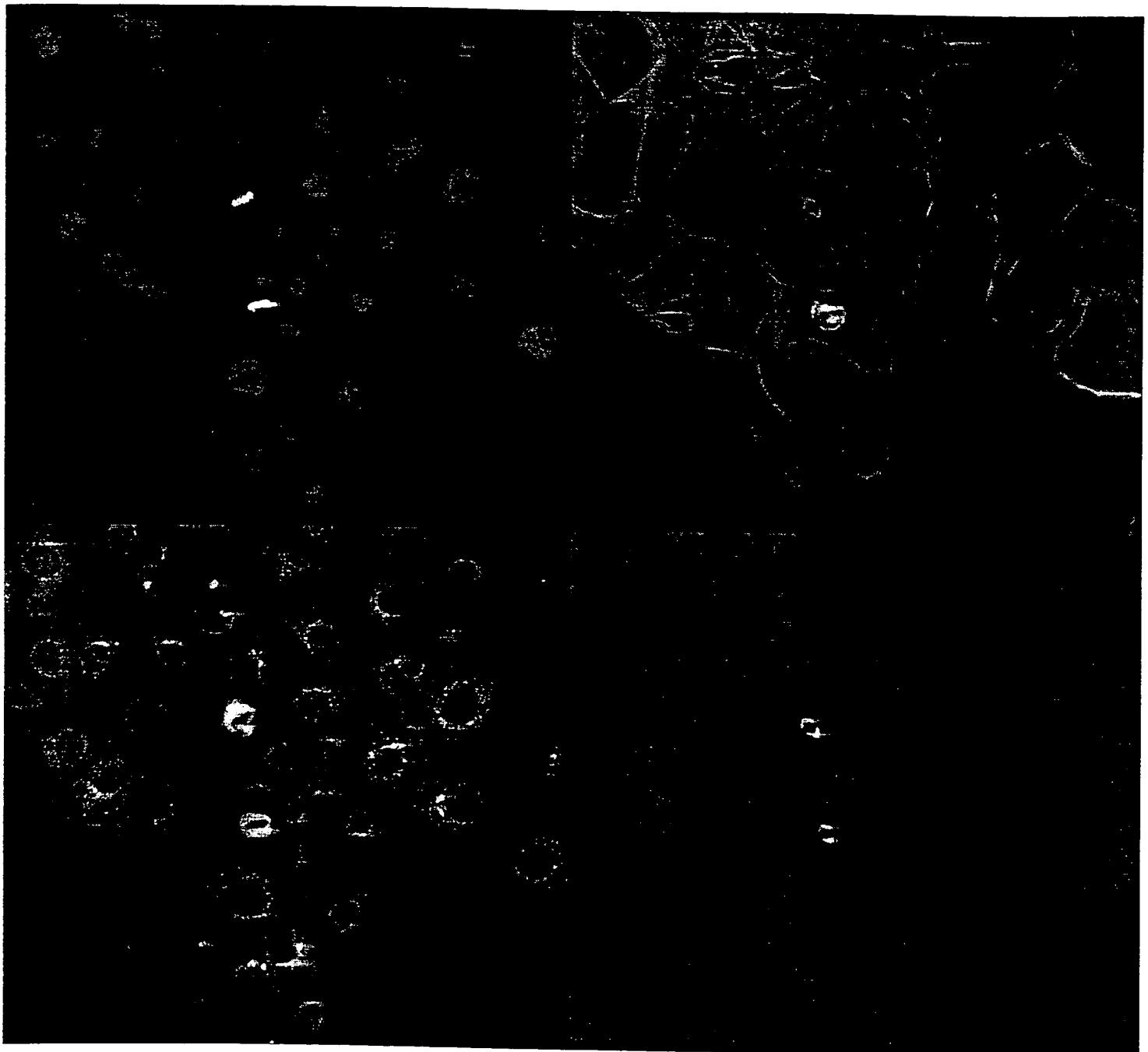


FIG. 15

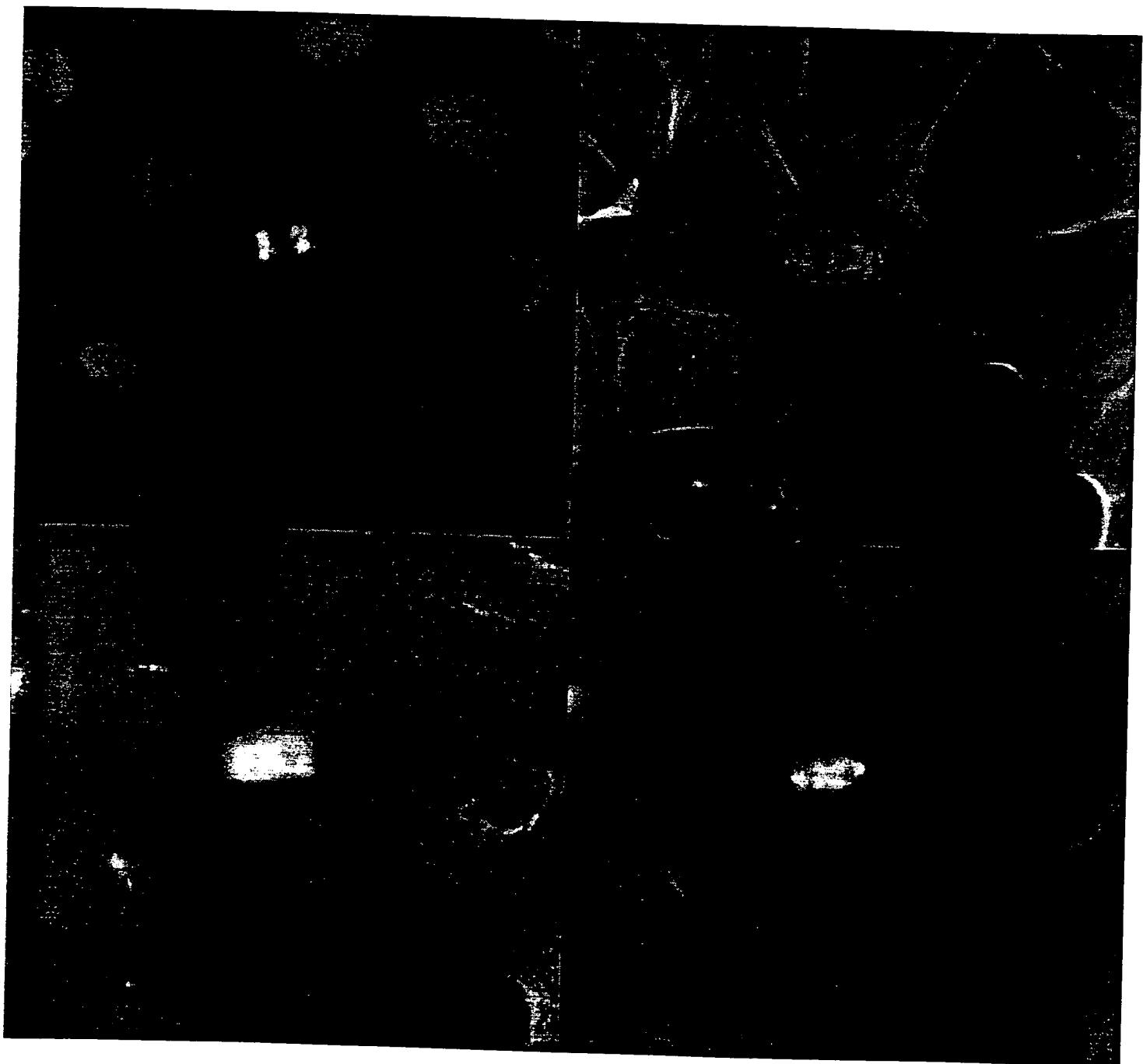


FIG. 16

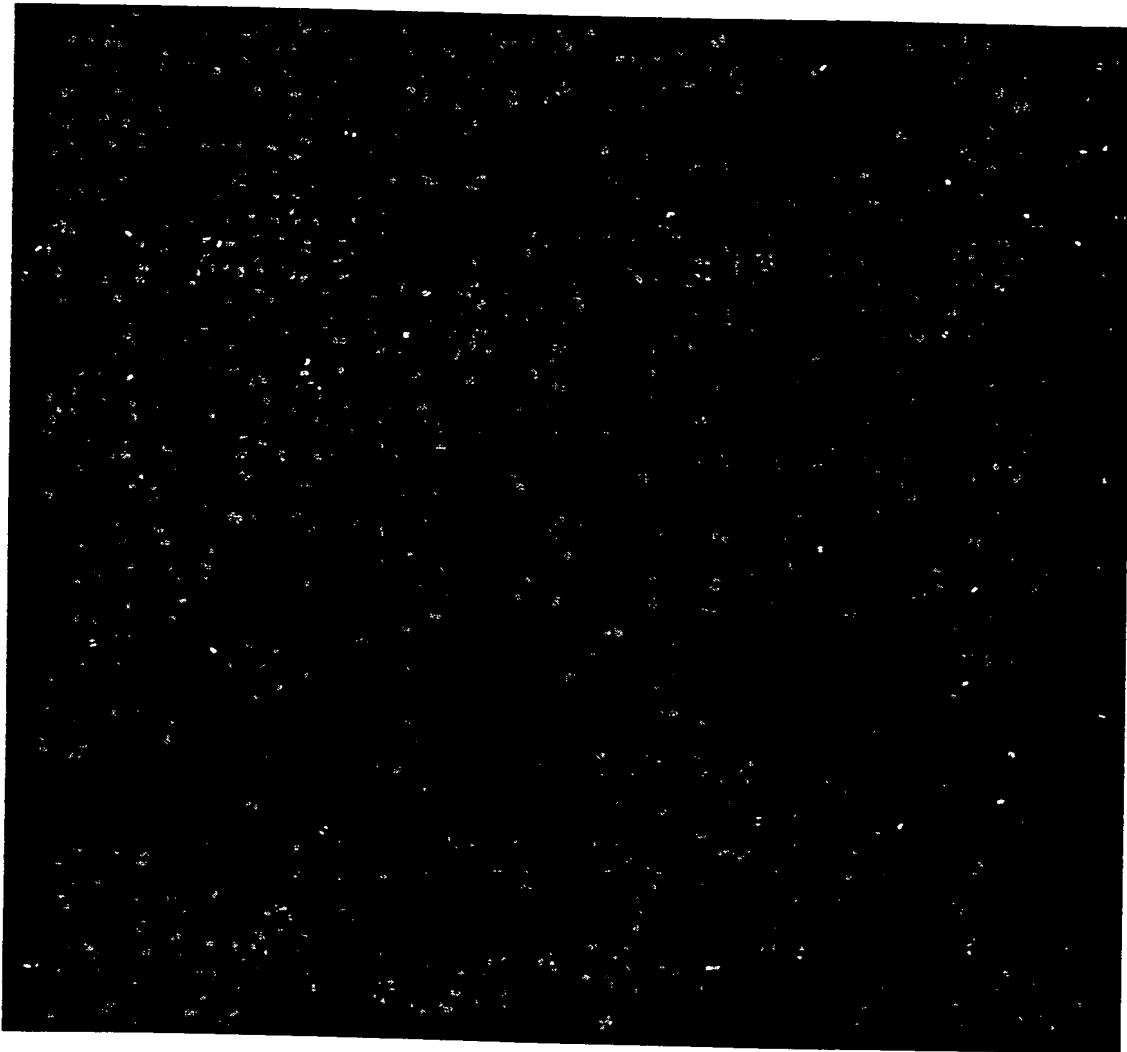
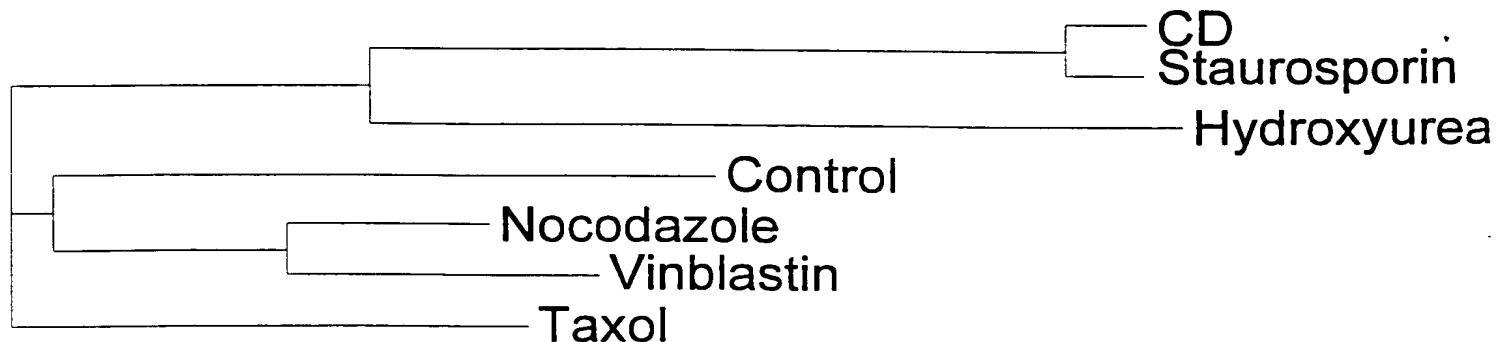


FIG. 17

Conversion of morphometric parameters into nucleic acid code
and clustering of the resulting sequences using Neighbor
Joining method.

Measurements

| Compound: | Count | Area | Perimeter | Length | Breadth | Fiber length | Fiber breadth | Shape factor | Ell. form factor | Inner radius | Outer radius | Mean radius | Equiv. radius | Equiv. sphere vol. | Equiv. prolate vol. | Equiv. oblate vol. | Equiv. sphere surface area | Average gray value | Total gray value | Optical density | Radial dispersion | Texture Difference Moment | EFA Harmonic 2, Semi-Maj | EFA Harmonic 2, Semi-Min |
|---------------|-------|------|-----------|--------|---------|--------------|---------------|--------------|------------------|--------------|--------------|-------------|---------------|--------------------|---------------------|--------------------|----------------------------|--------------------|------------------|-----------------|-------------------|---------------------------|--------------------------|--------------------------|
| Control | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | |
| Taxol | a | t | t | t | t | t | t | t | t | a | t | t | t | t | t | t | t | t | t | t | t | t | t | |
| CD | c | a | a | a | t | a | t | c | a | a | a | a | a | a | a | a | a | a | a | a | a | a | g | |
| Nocodozol | c | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | |
| Staurosporine | g | g | c | a | a | t | a | t | g | a | a | a | t | g | g | g | a | a | t | a | a | a | a | |
| Vinblastine | c | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | |
| Hydroxyurea | g | t | t | t | t | t | t | g | t | t | t | t | t | t | t | t | t | t | c | t | a | t | t | |



Conversion of morphometric parameters into amino acid codes and clustering of the resulting sequences using Neighbor Joining method.

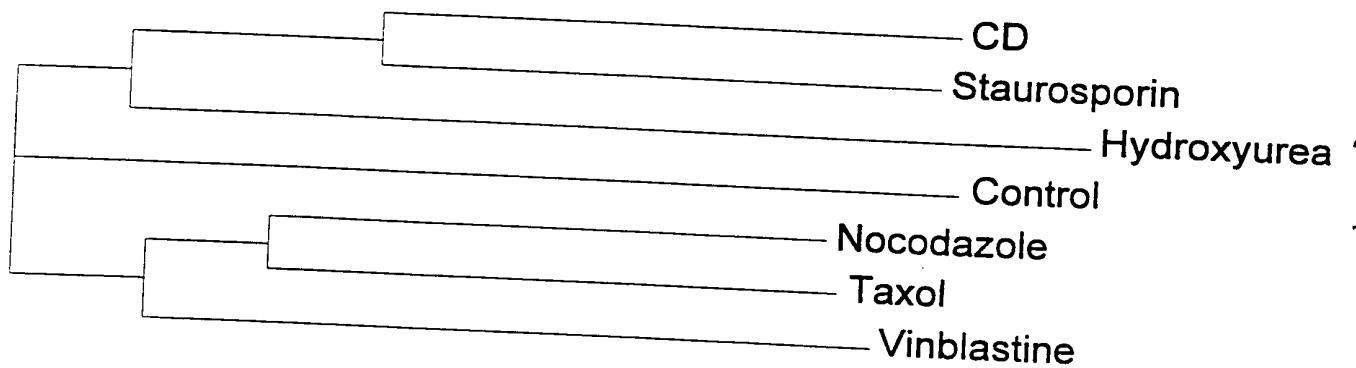


FIG. 19